

## CLAIMS

1. Backflow preventer (1), including an insert housing (2) with a housing interior (5) in which a valve member (6) is located which forms a contact on a valve seat (7) in a closed position thereof and which can be moved against a restoring force from the closed position into an open position, wherein the housing interior (5) has, in a movement zone of the valve member (6), an interior section (A), which has a greater open cross section relative to an outer periphery of the valve member, characterized in that for play-free guidance of the valve member (6) there is a spring-elastic valve member guide (9), which is effective between the valve member (6) and a housing inner wall surrounding the interior section (A).
2. Backflow preventer according to claim 1, characterized in that the valve member guide (9) is effective at least in the movement zone of the valve member (6) in proximity to the valve seat.
3. Backflow preventer according to claim 1 or 2, characterized in that the valve member guide (9) includes at least two, preferably more than two, spring arms (10), which contact the housing inner wall and/or the valve member (6).
4. Backflow preventer according to one of claims 1 to 3, characterized in that the spring arms (10) are formed on an inside on the insert housing (2) and are arranged preferably with free spring arm ends thereof in a region of the valve seat (7).
5. Backflow preventer according to one of claims 1 to 4, characterized in that the spring arms (10) are formed on the valve member (6) or similarly held on

the valve member (6) and contact the housing inner wall with free spring arm ends thereof.

6. Backflow preventer according to claim 5, characterized in that the spring  
5 arms (10) point in a direction away from the valve seat (7) with the free  
spring arm ends.

7. Backflow preventer according to one of claims 1 to 6, characterized in that  
the spring arms (10) are spaced apart from each other uniformly in a  
10 peripheral direction of the backflow preventer (1).

8. Backflow preventer according to one of claims 1 to 7, characterized in that  
a ring seal (11), which is effective between the valve member (6) and the  
valve seat (7) in the closed position, is provided on the valve member  
15 periphery and that the spring arms (10) are arranged on a side of the ring  
seal (11) facing away from the valve seat (7).

9. Backflow preventer according to one of claims 1 to 9, characterized in that  
the valve member (6) has on a side facing away from the valve seat (7) a  
20 guide rod (12), which is guided displaceably in a guide opening (13) of the  
insert housing (2).

10. Backflow preventer according to one of claims 1 to 9, characterized in that  
the backflow preventer (1) comprises a sanitary backflow preventer, which  
25 can be used preferably in a water line or in a sanitary water discharge  
armature.